

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A fluorine gas generator comprising:

a box-shaped body containing an electrolyzer for fluorine gas generation, said box-shaped body being partitioned into at least two compartments, including a compartment containing said electrolyzer;

a compartment containing a first adsorption unit that adsorbs hydrogen fluoride from fluorine gas discharged from an anode chamber; and

a compartment containing a second adsorption unit that adsorbs hydrogen fluoride from hydrogen gas discharged from a cathode chamber.

Claim 2 (Currently Amended): A fluorine gas generator ~~which comprises~~
comprising:

an electrolyzer containing an electrolytic bath composed of a mixed molten salt containing hydrogen fluoride and divided into an anode chamber with an anode disposed therein and a cathode chamber with a cathode disposed therein,

a first adsorption unit means for adsorbing that adsorbs hydrogen fluoride from the fluorine gas discharged from the anode chamber,

a second adsorption unit means for adsorbing that adsorbs hydrogen fluoride from the hydrogen gas discharged from the cathode chamber, and

a box-shaped body containing the electrolyzer, the first adsorption unit, means and the second adsorption unit means,

said box-shaped body comprising three compartments, ~~namely of~~ a first compartment containing said electrolyzer, a second compartment containing said first adsorption unit means, and a third compartment containing said second adsorption unit means.

Claim 3 (Original): The fluorine gas generator according to Claim 2, wherein each of the first to third compartments is provided with a suction opening for suctioning the internal air.

Claim 4 (Currently Amended): The fluorine gas generator according to Claim 2 or 3, wherein said second compartment contains a reservoir tank means for storing the fluorine gas after passing through said first adsorption unit means and a pressurizing device means for pressurizing configured to pressurize the fluorine gas from said reservoir tank means.

Claim 5 (Currently Amended): The fluorine gas generator according to Claim 2, wherein said first compartment contains a water heating device for feeding warm water to said electrolyzer for heating ~~the same~~ said electrolyzer.

Claim 6 (Original): The fluorine gas generator according to Claim 2, wherein said electrolyzer is mounted on a transporting member capable of entering and leaving said first compartment.

Claim 7 (Currently Amended): The fluorine gas generator according to Claim 6, wherein said first adsorption unit means comprises at least two ~~switchable~~ adsorption columns, wherein each adsorption column can be operated alone or more than one adsorption column can be operated simultaneously, and each of ~~them~~ the adsorption columns is mounted on a transporting member capable of entering and leaving the second compartment.

Claim 8 (Currently Amended): The fluorine gas generator according to Claim 6, wherein said second adsorption unit ~~means~~ comprises at least two ~~switchable~~ adsorption columns, wherein each adsorption column can be operated alone or more than one adsorption column can be operated simultaneously, and each of ~~them~~ the adsorption columns is mounted on a transporting member capable of entering and leaving the third compartment.